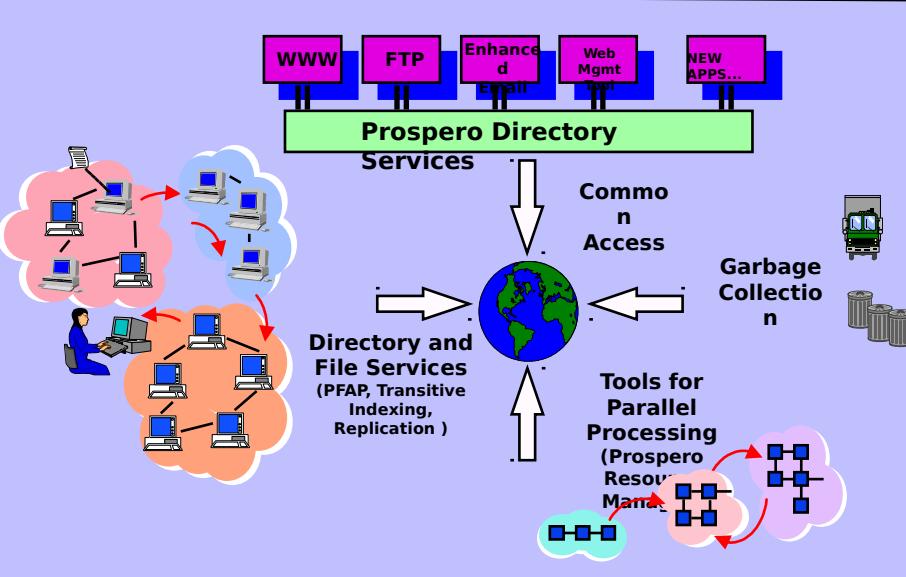


# GOST: Global Operating Systems Technologies



## New Ideas

- Middle-layer provides sufficiently powerful common interface to data
- Multi-mechanism replication management to be configurable on per-object basis
- Fault-tolerance and real-time execution constraints managed by code associated with application (the PRM job manager)
- Annotation scheme based on annotator “expertise”
- Reconstructing disconnected regions using “drop-in” resources

## Impact

- Provide applications with a common access protocol coupled with an extensible file system
- “Transitive indexing” Prospero Directory Service, and Prospero File Access Protocol: locate, retrieve, and cache objects across the Internet
- Garbage collection for distributed “web like” information spaces: reclaim objects which are no longer required
- Tools for fault-tolerant and real-time distributed and parallel applications

## Schedule

